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APPLICATION NO.	FILING DATE	, FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/523,260	01/27/2005	Akira Kuramori	OGW-0354	8312
	7590 09/24/2007	EXAMINER		
Patrick G. Burns - Greer, Burns & Crain, Ltd. Suite 2500			BELLINGER, JASON R	
300 South Wac Chicago, IL 60	South Wacker Drive eago, IL 60606 ART UNIT PAPER NUMB		PAPER NUMBER	
			3617	
			MAIL DATE	DELIVERY MODE
			09/24/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/523,260	KURAMORI, ÁKIRA				
Office Action Summary	Examiner	Art Unit				
	Jason R. Bellinger	3617				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period way reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONEI	ely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 16 Ju	ily 2007.					
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.					
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ⊠ Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) 3-7 and 12-16 is/are 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1,2,8-11,17 and 18 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	withdrawn from consideration.	e .				
Application Papers						
9)☑ The specification is objected to by the Examine 10)☑ The drawing(s) filed on 27 January 2005 is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Ex	a) \square accepted or b) \boxtimes objected drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119	•					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite				

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Election/Restrictions

1. Applicant's election without traverse of the species shown in Figure 1, in the reply filed on 16 July 2007 is acknowledged.

2. Claims 3-7 and 12-16 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 16 July 2007.

Drawings

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: M1 and M2. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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Specification

4. The abstract of the disclosure is objected to because it contains legal terms (see below). Correction is required. See MPEP § 608.01(b).

5. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "comprising", "means", and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

6. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: --Wheel Set with Different Rigidity between Front and Rear Wheels--.

7. The disclosure is objected to because of the following informalities: The first page of the specification should be removed, given the fact that this page is only a copy of the front page of the PCT application.

In paragraphs [0017] and [0019], the phrase "allow Y" should be replaced with the phrase --arrow Y-- for grammatical clarity.

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Appropriate correction is required.

Claim Objections

8. Claim 8 is objected to because of the following informalities: The term "claims" should be removed from line 1, for grammatical clarity. Appropriate correction is required.

Claim Rejections - 35 USC § 103

- **9.** The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 10. Claims 1-2, 8-11, and 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shiba (JP 2-71084). Shiba discloses a front wheel having greater strength and weight than a rear wheel in a front-wheel-drive vehicle. It is well known in the art that a wheel having greater strength and weight has a greater rigidity than a lighter weight wheel. The wheels may be a disk wheel having a disk and rim.

One of ordinary skill in the art at the time of the invention would find it obvious from the teaching of Sheba that placing wheels having greater strength and weight (and thus rigidity) at the rear of a rear wheel drive car, and lighter weight wheels at the front of the car would increase handling and other characteristics.

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Shiba does not specify that the disk and/or rim of the rear wheel has a gréater thickness than that of the front wheel. However, it is well known in the art that one way to cause one wheel to be heavier or more rigid than another wheel is to increase the thickness of that wheel. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to form the rear wheel of Shiba with a greater thickness than the front wheel, dependent upon the handling characteristics (i.e. cornering, braking, etc.) required.

Shiba does not disclose the exact ratio of the difference in rigidity between the front and rear wheels. However, it would have been obvious to one of ordinary skill in the art at the time of the invention to give the rear wheel of Shiba a rigidity 10-60% greater than that of the front wheel, dependent upon the handling characteristics (i.e. cornering, braking, etc.) required.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason R. Bellinger whose telephone number is 571-272-6680. The examiner can normally be reached on Mon - Thurs (9:00-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Morano can be reached on 571-272-6684. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jason R Bellinger Primary Examiner Art Unit 3617